

REMARKS

By an Office Action dated August 8, 2007, the Examiner in charge of this case maintained that Claim 28 is allowable. Claims 1, 2, 5, 7-15, 19-21, 23, 24 and 29-33 are rejected for a variety of grounds. Applicants disagree with the rejection. However, in an effort to expedite prosecution on the merits, applicants informally submitted proposed claim amendments for consideration by the Examiner. The proposed claims were reviewed at an "Allowability Conference". Based on discussions at the Conference, additional amendments were proposed to further clarify the claims. In response to the claim amendments suggested by the Examiners at that Conference, applicants submit the above-identified amended claims for reconsideration and allowance.

At the outset, applicants submit that Claims 1-18, 20-27 and 30-33 are cancelled without prejudice to filing a continuing type application, such as a continuation application on the cancelled claims. Claims 19, 28 and 29 are amended to clarify the claims and to affirmatively recite that the donor molecule is ATP, as suggested by the Examiner (see current Office Action, page 12, last sentence and bridging up to the top of page 13). No new matter is added and support can be found for the amendments throughout the application.

As further support for the reconsideration of Claims 19 and 29, it is noted that in the Final Office Action dated March 19, 2007, the Examiner objected to Claim 22 and suggested that it would be allowable if re-written in independent form including all of the limitations of the base claims and any intervening claims. Accordingly, in applicants previous response submitted on June 15, 2007, Claim 19 was amended to include the limitation of Claim 22, so that the objection would be withdrawn. As such, Claim 22 was cancelled. Also, in that same Office Action, Claim 29 was found allowable. Therefore, reconsideration of the rejection against Claims 19 and 29 is respectfully requested.

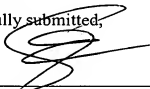
Applicants also amend the Specification to include the federal funding information.

Applicants have made a diligent effort to place the claims in condition for allowance. However, should there remain unresolved issues that require adverse action, it is respectfully requested that the Examiner telephone applicants' attorney at the number listed below so that such issues may be resolved as expeditiously as possible. For the reasons stated above this application is now considered to be in condition for allowance and such action is earnestly solicited.

Application No.: 10/769,578
Response dated: September 5, 2007
Reply to Office Action dated: August 8, 2007

No fees are believed due, but should any extension be due, in this or any subsequent response, please consider this to be a petition for the appropriate extension and a request to charge the extension fee to Deposit Account No. 17-0055.

Respectfully submitted,



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